

INTENSIFY STUDY OF NEW PLANET

Scientists at Flagstaff Will Now Press Photographing of Surrounding Area.

FOUR-PART LENS ORDERED

Ludin, Maker of Discovery Lens, With 30-Degree Range, Says New One Will Be 45.

PASTOR BEGAN TELESCOPE

Credit Given the Rev. Joel Metcalf of Cambridge—Young Photographer Tells of "Splash of Light."

By The Associated Press. FLAGSTAFF, Ariz., March 14.—While acclaim from the scientific world poured in on the little group of astronomers at the Lowell Observatory near here today for their discovery of the ninth planet of the solar system, efforts were renewed by them to learn more about the long-sought celestial body.

Pursuing the same deliberate studies which led to the unveiling of this mystery of the heavens after a quarter of a century of labor, Dr. C. O. Lampland and his associates concentrated on establishing a definite location of the planet.

The immediate work at hand is continued photographing of the area in which the newest member of the solar family was found with a view toward learning the orbit of the planet, its size and distance from the earth and its influence on the planetary system.

To accomplish this information, Dr. V. M. Slipher, director of the observatory, said he had a number of study and calculations lay before the astronomer. All that is known of the planet now is its approximate location, a belief that it is about forty-five times further from the earth than the sun and that it is the most distant member of the known planet family, which is composed of eight other celestial bodies.

Predicted Within 6 Degrees. Special to The New York Times. CAMBRIDGE, Mass., March 14.—Computations made at the Harvard Observatory today showed that "Planet X," as the new sphere is called here, was found actually 6 degrees away from the spot where Professor Lowell predicted. Six degrees is equivalent to twelve times the diameter of the planet. The distance between the pointers in the Big Dipper is 3 degrees.

However, the observatory staff stated that the Lowell prediction actually turned out to be very close, considering the planet's faintness and its tremendous distance from the sun—4,185,000,000 miles.

When Neptune was discovered over eighty years ago, the actual position differed from the predicted location by 2 degrees, but astronomers pointed out that Neptune was considerably brighter than the new planet and nearer to the sun. Neptune is of the eighth magnitude, the new planet of the fifteenth.

Credit to the Rev. Joel Metcalf. CAMBRIDGE, Mass., March 14 (AP).—Credit was given posthumously today to the Rev. Joel Metcalf for the important part in the discovery of "Planet X," which was announced yesterday by Harvard Observatory.

It was the Unitarian minister who in 1923 conceived the idea of the powerful "triple" telescope, which discovery of the planet was made at the Lowell Observatory, Flagstaff, Ariz. The telescope had not been completed when Mr. Metcalf died in 1925.

The minister was revealed today by Professor Lampland, director of the observatory as a man of unusual ability and achievement, both as an astronomer and as a minister. His religion and his astronomy went hand in hand, Professor Campbell said. "The minister was a man of things I liked about him—he was able to reconcile his religion and his astronomy."

TRIUMPH OF NEWTON SEEN IN DISCOVERY

Prof. Poor Says Calculations by Which the Planet Was Found Predated Einstein.

DR. FISHER SHARES VIEW

Astronomers to Name New Body—Atlas, Prometheus and Tempus Among Early Suggestions.

The discovery of a new planet by the Lowell Observatory at Flagstaff, Ariz., according to astronomers here yesterday, has a consequence as important as the enlargement of the solar system.

SHAPLEY SEES PROOF OF UNIVERSAL LAW

Harvard Astronomer Says Finding of Planet Doubles Solar System, Hits Nebular Theory.

Special to The New York Times. PHILADELPHIA, March 14.—The discovery by the Lowell Observatory of a ninth planet demonstrates again the existence of a universal law controlling the universe, and discredits more than ever "that already pretty well discredited nebular hypothesis," Dr. Harlow Shapley, director of the Harvard Observatory, said in an address tonight before the Philadelphia Forum.

Dr. Shapley called the discovery "another triumph for the controlled imagination of man" and suggested that the new planet, which is named "Cronos," as the son of Heaven and earth and the reputed father of Jupiter, although he added "Some of that early genealogy is a bit doubtful and we can't always be sure of the parent."

He insisted that credit for the discovery of the planet belonged to the late Dr. Percival Lowell, who years ago found mathematically that a planet should be there, "and next to admit that the Lowell Observatory and to the observers following their nightly routine."

Several suggestions have already been made by other astronomers, such as the Atlas and Prometheus. One suggestion was that the concept of time should be taken into account in the discovery and that the new planet should therefore be called Tempus.

At the Museum of Natural History the belief was expressed by Dr. Fisher that the name which would finally stick must be a classical name. He said that the name Uranus, which was given to the first planet discovered, was more than 3,000 years ago.

Dr. Fisher said that when Uranus was discovered in 1781, Herschel, the discoverer, attempted in honor of King George III to name it Georgium Sidus; while his friends called it the planet Herschel. The name Uranus, which finally stuck, was suggested by the astronomer Bode.

He developed yesterday that a newly discovered planet had been named Hooveria in honor of President Hoover by an Austrian astronomer who had been feeding starving children in Austria after the war.

LUCIEN SHARPE SUED OVER ART SALE BIDS

Galleries Here Get Attachment in Effort to Collect Balance of \$31,750.

NOW A RESIDENT OF PARIS

Retired Manufacturer's Counsel Says He Wanted to Buy Only Three and Not Six Paintings.

An attachment obtained yesterday by the American Art Association-Anderson Galleries, Inc., against property of Lucien Sharpe, retired manufacturer, art collector and member of the American colony in Paris, disclosed that in 1928, at an auction sale of property of Charles H. Sniff at the American Consulate, bids were made on six paintings for Mr. Sharpe and that unsuccessful efforts have been made since to collect a balance of \$31,750 due for them.

350 BELOW ZERO ON PLANET.

Princeton Astronomer Says Atmospheric Gases Would Freeze.

Special to The New York Times. PRINCETON, N. J., March 14.—The temperature on the planet which has just been discovered near Neptune probably does not exceed minus 350 degrees Fahrenheit, according to Professor John Q. Stewart of the Princeton astronomy department.

In explaining the temperature calculation, Professor Stewart said: "Since the new planet is about forty-five times as far from the sun as the earth, it is receiving 2,000 times less heat. Its temperature calculation shows that its temperature on the sunlit side does not exceed 60 degrees above zero, or minus 350 degrees Fahrenheit."

VOIDS \$167,500 VERDICT.

Award to Miss Hansen, Actress, for Burns in Hotel Bath, Held Too High.

Special to The New York Times. WHITE PLAINS, N. Y., March 14.—Supreme Court Justice Taylor set aside today a verdict of \$167,500 awarded to Miss Juanita Hansen, former movie picture actress, against the Hotel Lincoln of Manhattan for injuries received in a shower bath. The court held that the verdict was grossly excessive and that the shower was not as dangerous as the jury returned the verdict last November.

KODAK MAN WINS MEDAL.

Dr. Sheppard Gets Nichols Award for Chemistry in Photography.

The William H. Nichols medal of the New York section of the American Chemical Society for 1930 was awarded last night to Dr. Samuel Edward Sheppard, assistant director of the research department of the Eastman Kodak Company, for "outstanding achievement in the chemistry of photography."

DENY PAPER MERGER TALK.

Toronto Officials Disclaim Knowledge of International Report.

Special to The New York Times. TORONTO, March 14.—Talk of the rumored merger of the International Paper Company and Canadian Paper Companies was denied today by O. C. Hurdman of the Abitibi Paper and Paper Company.

ASK SANITARY SQUAD FUND.

Department Needs \$33,000 to Pay Police to Be Assigned to Group.

Funds amounting to \$33,000 were requested of the Board of Estimate yesterday to pay the salaries of police members of a sanitary squad to be established in the Department of Sanitation.

The proposed squad includes a police captain as lieutenant, six sergeants and 100 policemen. They will parallel the work of the health squad which the Department has been charged with responsibility for enforcing the sanitary code as well as new laws on working conditions.

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STAR-FINDER TELLS STORY.

Young Kansan, a Sky-Gazer Since Boyhood, Describes His Thrill.

FLAGSTAFF, ARIZ., MARCH 14 (AP).

Clyde Tombaugh, the young photographer and telescope technician of the Lowell Observatory here who was the first man to see the new trans-Neptunian planet, told The Associated Press today of his experience.

Excited, I should say so.

Excited, I should say so. That is the word for it. I just didn't know what to do or think, or how to act. Sure, I was the first to see it, but the whole staff has been working on it for a quarter of a century. I was just lucky. That was the first man to see the new trans-Neptunian planet.

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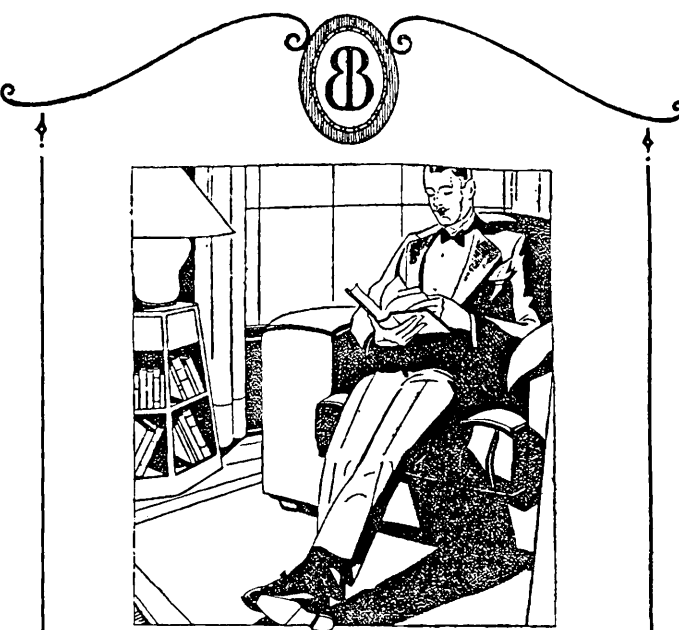
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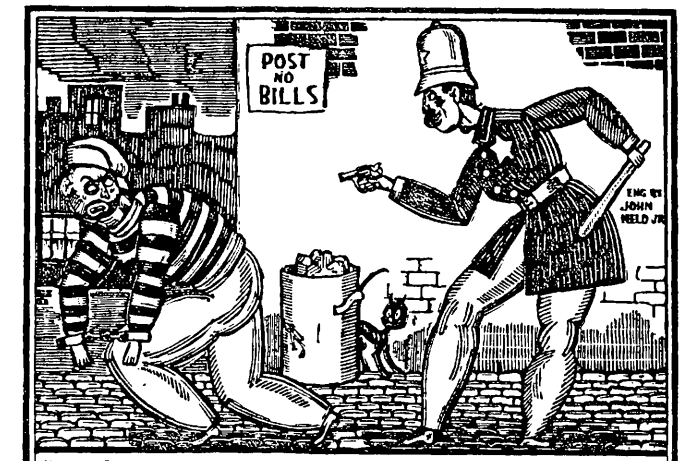
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